



LAMP in Indiana

Lake Michigan Webinar, Session #7

Jan. 6, 2021



LAKE MICHIGAN

**Lakewide Action and
Management Plan**

ASSESS • PROTECT • RESTORE • REPORT

Lake Michigan Basin in Indiana

- Contains portions of 10 Indiana counties
 - 2,449 square miles (1/15 of the state)
- Home to more than 1 in 7 Hoosiers (2010 Census)
- Approximately 1 in 15 Hoosiers receive drinking water from Lake Michigan
- Diverse landforms
 - Urban/Industrial
 - Beaches
 - Marshes and fens
 - Forests
 - Prairies
 - Dune and swale



Jeorse Park Beach, East Chicago



IDEM's Lake Michigan Programs



Lake Michigan LAMP



Clean Marina / Clean Boating



**Lake Michigan Beach
monitoring and notification**



**Grand Calumet River Area of Concern
Remedial Action Plan (RAP)**

***All four programs are nonregulatory and fully supported
through federal grant funding.***

Lake Michigan LAMP Program

- Goal: assess, protect, and restore the Lake Michigan basin ecosystem
 - Broad goal makes this the overarching Lake Michigan program in Indiana
- Works with a variety of regulatory and nonregulatory programs and stakeholders to achieve results
- Through the Lake Michigan Partnership, coordinates lakewide management priorities



LAKE MICHIGAN
Lakewide Action and Management Plan
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<https://www.in.gov/idem/lakemichigan/lamp>





Selected LAMP Program Partnerships and Initiatives



IN DNR Lake Michigan Coastal Program
(See session #5 of this webinar series)



Urban Waters Federal Partnership
(See session #3 of this webinar series)



BMV Clean Boater Partnership
(See session #2 of this webinar series)



W.G. Jackson Educational Boat Tours
(GVSU)



Development of Interpretive
Signage at
Indiana Dunes State Park



MS4 Entities
(See session #6 of this webinar series)



Great Lakes Fishery Commission
IN Representation Support

Indiana Clean Marina Program



www.idem.IN.gov/cleanmarina

- Voluntary environmental recognition program
- Goal: protect marina basin from negative environmental impacts from boating
- Implementation of pollution prevention Best Management Practices (BMP)
- Includes the Clean Boater Program for individual boaters



See session #2 of this webinar series for more information

Designated Clean Marinas in the Lake Michigan Basin

Washington Park Marina



Marina Shores at Dune Harbor



Hammond Marina



Sprague Point Marina



Sammie L. Maletta Public
Marina (formerly Portage
Public Marina)

Lake Michigan Beach Monitoring and Notification Program



<https://beaches.IN.gov>



- Provides funding to local beach managers to monitor beach water quality (via fecal indicator bacteria) and alert the public of poor beach water quality conditions
- Monitoring occurs at approximately 23 program beaches (daily in most locations) from Memorial Day to Labor Day
- Signs and online notifications posted at <https://beachguard.idem.in.gov/beachguard/>

Indiana Lake Michigan Beaches Program

23 Participating Beaches (2020)

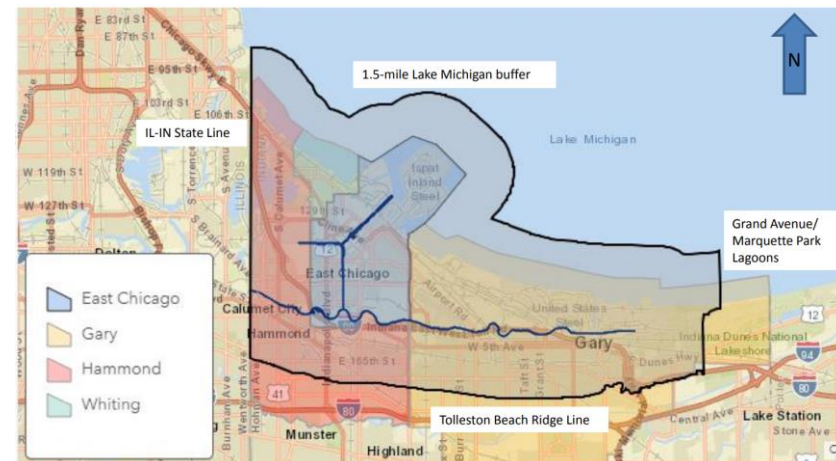


Grand Calumet River / Indiana Harbor Ship Canal Area of Concern (AOC) Remedial Action Plan (RAP) Program

- Goal: achieve restoration of 14 impaired uses of the waterway
- Like the LAMP, works with a variety of regulatory and nonregulatory programs and stakeholders to achieve results
 - Citizens Advisory for the Remediation of the Environment (CARE)
- Complements the LAMP
 - LAMPs address environmental issues impacting Great Lakes water quality on a lakewide scale
 - RAPs address legacy environmental issues impacting water quality locally (at AOCs).



<https://www.in.gov/idem/lakemichigan/rap>



AOC Restoration Pathways

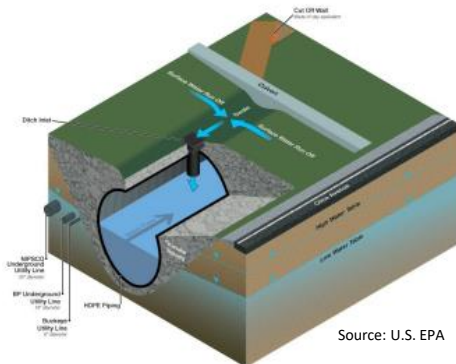


Reduce Exposure to
Legacy Sediment
Contaminants

Restore 1,000+ Acres of
Habitats Impacted by
Invasive Species

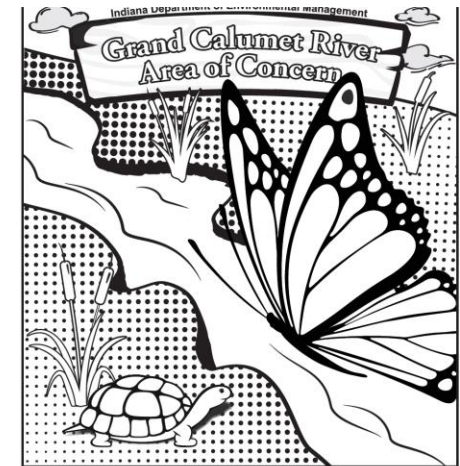
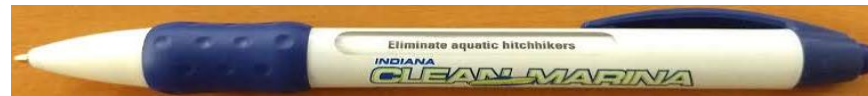
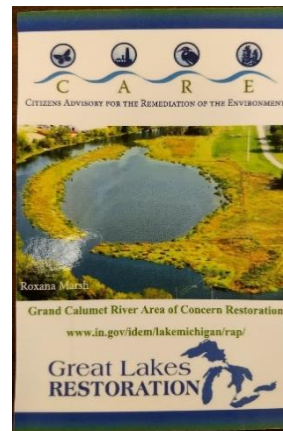
Control Ongoing Sources
of Chemical & Biological
Contaminants

Delisting





Public Outreach Materials



[Keeping Lake Michigan's Beaches Clean PSA](#)



Outreach Events





Questions?

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